

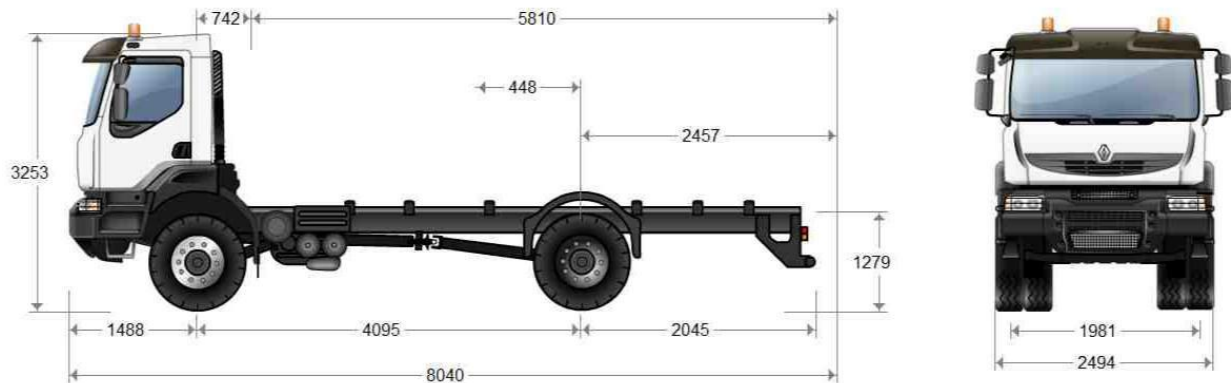
KERAX 330.21 4X4 HD
GVW 21.00 T
GCW 24.50 T

VEHICLE DEFINITION

Vehicle	KERAX 330.21 4X4 HD
Wheelbase	W/BASE 4.100
Real Axle ratio	R.A. RATIO 20 X 27
GVW	GVW 21.00 T
GCW	GCW 24.50 T
Colour	WHITE GLACIER (VI+VU)
Tyres	M.13R22.5 XZY2/XWORKS XDY

CHASSIS & RENAULT TRUCKS OPTIONS

WIDE ANGLE MIRROR KERB
VIEW MIRROR M.13R22.5
XZY2/XWORKS XDY
SPAREWHEEL
ECO DASHBOARD DISPLAY
2 REVOLVING LIGHTS
(ORANGE) THIRD CENTRAL
SEAT DIFFERENTIAL LOCK FRT.
VERSION LE (SIMPLIFIED ELECTRONICS
HVY DUTY FUEL PREFILTER - EXPORT
P.T.O. SPEED LIMITER
ADJUSTABLE DRIVER'S SEAT
AIR CON FOR DUSTY
CONDITIONS SPARE WHEEL
(LOOSE)+JACK REVERSE BUZZER
REGULATORY SPEED LIMITER 90
KM/H FRENCH EXPORT
EXTERIOR SUN VISOR
FIXED PASSENGER SEAT
ENGINE HOUR METER
MANUAL ROOF VENT 4-
POINT MECH. CAB SUSP.
CYCLONIC AIR FILTER +
PROTECTION TOWING YOKE
F/TANK 315L STEEL (D560)
PTO S81 (HOLLOW SPLINED SHAFT)
WHITE GLACIER (VI+VU)
ALARME SONORE TEMOIN DE
CEINTURE AVEC TEMOIN DE CEINTURE



WEIGHTS

Wheelbase		mm	4.100
Maximum Weight (registered)	Total (GVW)	Kg	21000
Payload	(C)	Kg	13047
Kerb Weight	total	Kg	7953
Chassis cab kerb weight	Front axles (Liftable axle down)	Kg	5296
	Rear axles (Liftable axle down)	Kg	2651
Maximum Weight (registered)	Front axle(s)	Kg	8000
	Rear axle(s)	Kg	13400

This table includes the weights of the RENAULT TRUCKS options (without driver or passenger). It is understood to be in working order with full tanks (see FUEL TANK chapter) and on board tooling.

LENGTHS

Wheelbase		mm	4.100
Body length	Max. (Wmax / BEP L105)	mm	5810
	Min. (Wmin / BEP L105)	mm	4838
Bodywork rear overhang	Max. (Xmax / BEP L017)	mm	2457
	Min. (Xmin / BEP L017)	mm	1485
Centre of Gravity of load	Max. (Ymax / BEP L103)	mm	934
	Min. (Ymin / BEP L104)	mm	448
Max Overall Length (Z)	(Zmax / BEP L001)	mm	8040
Min Overall Length (Z)	(Zmin / BEP L001)	mm	7068
Cab entry	(B / BEP L102)	mm	742
Wheelbase	(F / BEP L011)	mm	4095
Rear overhang	Chassis (BEP L020)	mm	2045
Overall Chassis Length	(A / BEP L032+L016)	mm	7628
Front Overhang	(H / BEP L016)	mm	1488

HEIGHTS

Wheelbase		mm	4.100
Frame top height at drive axle	Unladen (H2 / BEP H037)	mm	1279
	Laden (H2 / BEP H038)	mm	1189
Cab height (unladen)	(O)	mm	3253
Ground clearance, laden	Front (U1 / BEP H015)	mm	335
	Rear (U3 / BEP H016)	mm	355

WIDTHS

Wheelbase		mm	4.100
Max. cab width	(BEP W002)	mm	2500
Track	Front (V1 / BEP W013.1)	mm	1981
	Rear 1 (V2 / BEP W013.2)	mm	1836
Width at rear wheels	Rear axle 1 (V3 / BEP W003.1)	mm	2494
Frame width	Rear (BEP W036)	mm	850
	front (BEP W035)	mm	1080

OTHER

Wheelbase		mm	4.100
Turning Radius	Overall (BEP W012)	mm	8970

DXi11 ENGINE

Maximum power: 326hp (243 kW) at 1900 rpm.

Maximum torque: 1650 Nm at 1150 rpm.

6-cylinder in-line diesel engine, turbocharged with INTERCOOLER High-pressure electronic fuel-injection (2000 bars) by unit injector pumps.

24-valve, overhead camshaft, monobloc cylinder head, timing gear mounted in the rear.

Bore 123 mm - stroke 152 mm - capacity 10.8 litres.

Engine oil capacity: 36 litres.

Steel oil sump.

High-capacity oil filter with disposable cartridge.

Cooling system capacity: 33.5 litres (51 litres with hydraulic retarder).

Controlled starting.

Electronically controlled fan.

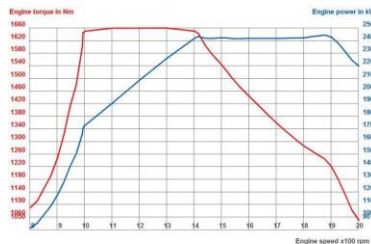
Direction of rotation (seen from G/B end): anti-clockwise.

Antifreeze protection: -25°C.

CEE EURO3 pollution control level.

EEC EURO III exhaust emissions level

PTO speed limiter.



ENGINE EQUIPMENT

Aluminium engine flywheel casing.
Electronic idling control.
Without engine Power Take Off.
Electronic speed limiter (90 km/h).

CLUTCH

CLUTCH 430 GD 900 (430 MFZ with Optidriver).
Cerametallic single plate. Air assisted hydraulic actuation.
Automatic adjustment.

GEARBOX

ZF 16S 1830 TO
16 forward synchronised gears and 2 reverse gears (13.8 - 0.84). Aluminium casing. Air splitter unit with pre-selection valve on the lever. Super H gear selection grille. Gear change assist by SERVOSHIFT. Cable controls. Economical driving assistance (DMS - Driving Monitoring System).
Gearbox oil cooler, oil/water heat exchanger

RETARDER

Exhaust brake (135 kW at 2100 rpm) controlled and regulated by full-time solenoid valve (between 2 and 7.5 bars).
Retarder coupling to service brake.

POWER TAKE-OFFS

PTO S81 C.
Outlet : hollow splined shaft for flanged pump.
Rotation : opposite to engine
Torque : 1000 Nm.
Ratios : 0.92:1.09
Position : 15h

STEERING

Hydraulic steering box with variable step-down power assistance.
Integral hydraulic power assisted steering (1 independant circuit and 1 pump).

FRT. DR. AXLE

Front load capacity (technical max.): 8 t

TRANSFER BOX

VG 2000 / 396
Separate from gearbox
Ratio: PV 1/ 1.536 - GV 1/ 0.89
Temporary transfer box differential.
Torque distribution 50/50.
Oil capacity: 8.4 litres (VG2000/300) - 6.5 litres (VG2000/396).
Without PTO on transfer box.

REAR DRIVE AXLE

P 1361.7 rear axle with hub reduction (3.46).
Rear axle ratio 20 x 27 (ratio 1.35).

WHEELS AND TYRES

M.13R22.5 XZY2/XWORKS XDY

Steel disc wheels
Spare wheel with jack, delivered loose.

BRAKING

Service brake:

Drum :
Diameter: 410 mm.
Front width: 175 mm.
Rear width: 225 mm.
Brake lever: 170 mm.
Surface area of linings: 10,299 mm².
Vertical brake cylinders.
Electronic management of air production by EAC (Electronic Air Control):
Dryer cartridge optimised by preventive maintenance.
Compressor:
Dual-cylinder, 636cm³ controlled by EAC (Electronic Air control)
Disengageable.
Max. flow: 660 litres/min at 2000rpm (compressor).
Ratio: 1.31

Parking brake:

With air control, immobilisation ensured by spring cylinders.
Hand brake valve.
Braking capacity less than or equal to 70 tonnes.
Park brake on two axles.

Brake adjustment:

Automatic brake lining slack compensation.

Emergency brake:

Provided by the parking brake function.

CAB

Cab exterior:

All steel Cab, electro-zinc plated and cataphoretic paint treatment.

Day Cab (1.6)

Cab paint colour: WHITE Glacier

Aerated front grille with closing strap.

Anti-spray deflectors

Steel 3-part frt moulding integrating a retractable windscreen access step, a grille and radiator protection.

Four point mechanical cab suspension.

Hydraulic cab tilt.

2 manually adjustable external rear view mirrors.

Wide angle rear view mirror.

Kerb view mirror.

Air intake ducting on left side of roof.

Retractable additional access step to windscreen

Access to driving position by 2 stepwell steps.

Step lighting.

External sun visor

Tinted and laminated windscreen and windows.

Rear cab window.

2 orange rotating beacons

Cab interior:

Standard roof.

Upper single storage compartment - 50 litres capacity.

Radio pre-equipment including wiring, antenna and loudspeakers.

Without tachograph

Manually operated roof hatch.

Adjustable driver's seat with headrest.

Grab handles

Third central seat.

Soft door lining

Oddments tray in doors.

Fixed passenger's seat with seat belt.

Air blower socket on gearshift console.

Cab lighting time-delay.

Reinforced cab sound insulation

Air conditioning for dusty conditions.

Handbook and Service pack in French Export.

Engine hourmeter.

Steering wheel equipment:

Steering column lock.

2-speed windscreen wipers with incorporated wash jets and intermittent wipe.

Instrument panel:

Removable ashtray and cup holders

Raised engine tunnel.

ELECTRICAL EQUIPMENT

Battery capacity: 170 Ah
24V voltage supplied by two batteries.
High amp fuse box in battery box.
External Master switch
Alternator : 110 amp capacity.
Lighting to EEC standards.
Electrical headlamp levelling control.
Headlamp protection grille.
Rear lights on dedicated holder.

CHASSIS

Side member profile 300 x 90 x 8 mm.
Sidemember reinforcements 5 mm.
Standard rear overhang, pre-drilled for bodybuilder
Removable front towing yoke (25 tonnes), can be unlocked by 1/4 turns.
Without rear under-run bar .
Chassis rear closing crossmember.
Towing and manoeuvring yoke
Cyclonic air filter with protective cover
Chassis frame protection by grey coloured epoxy paint.

SUSPENSION

Front suspension

Front parabolic 2-leaf springs (8 tonnes).
Front anti-roll bar.

Rear suspension:

Parabolic rear suspension.
Stabiliser bar
4-leaf rear suspension capacity: 15 t.

FUEL TANK

Main steel tank: 315 litres capacity. (255kg of diesel)
D- shaped 560.
Filler cap locking with key
Heavy duty fuel prefilter (R120), reinforced on chassis.

STANDARD EQUIPMENT

Side exhaust.
Tool kit.
Warning triangle.
Reversing warning buzzer, including night swit

BODYWORK

Front body mounting brackets.
 24V/200A power supply terminal strip in battery tray.
 Provision for 7-way round socket under battery tray:
 - Power supply after master switch 24V/15A + earth (shared cab).
 - Power supply after ignition 24V/15A + earth.
 - Side marker lights.
 - Trailer module alarm connection.
 Chassis air intake for bodybuilder
 Bodybuilder BBM electronic box interface bodybuilder expert functions via CAN bus).

SPECIAL OPTIONS

ALARME SONORE TEMOIN DE CEINTURE
 AVEC TEMOIN DE CEINTURE
 CPT FRENCH BODYBUILDER

GEARBOX RATIOS

1P1	1P2	1G1	1G2	2P1	2P	2G1	2G	3P1	3P	3G	3G	4P	4P	4G	4G	5P	5P	5G	5G	6P	6P	6G	6G	7P	7P	7G	7G	8P	8P	8G	8G
21.2	12.2	17.7	10.2	14.5	8.4	12.1	7.0	10.0	5.8	8.3	4.8	7.0	4.0	5.8	3.4	4.6	2.6	3.8	2.2	3.1	1.8	2.6	1.5	2.2	1.2	1.8	1.0	1.5	0.8	1.2	0.7
0	8	3	7	8	5	8	6	3	1	9	6	2	7	7	0	4	9	9	5	9	5	7	5	0	7	4	7	4	9	9	5

PERFORMANCE

Engine speed at 90 km/h: 0 rpm
 The manufacturer reserves the right to modify the specifications above without prior notice.
 Non contractual document.

SOLO RIGID

GVW 19.00 T
 GVW 19.00 T
 GVW 19.00 T
 GVW 21.00 T
 GVW 21.00 T
 GVW 21.00 T
 GVW 21.00 T
 GVW 21.00 T

GCW 44.00 T
 GCW 22.50 T (D)
 GCW 70.00 T
 GCW 40.00 T
 GCW 44.00 T
 GCW 24.50 T
 GCW 40.00 T

Model code: 34XC01100513
 GVW 19.00 T / GCW 22.50 T (D)
 DAY CAB
 REAR PARABOLIC SUSPENSION