Model code : UKM_30CS016OFROD
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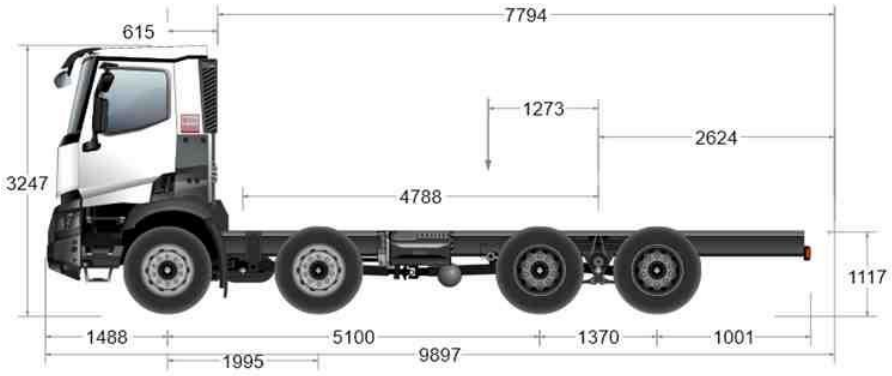
Prepared for : Ready 4 Business Tipper Grab

RENAULT TRUCKS C P8X4 OFF ROAD 11L E6 - GVW 32T / GCW 35.5 T

RENAULT TRUCKS

Body Type:
TIPPER + CRANE







WEIGHTS

Wheelbase		mm	5.100
Payload	(C)	Kg	22347
Maximum Weight (registered)	Total (GVW)	Kg	32000
	Rear axle(s)	Kg	19000
	Front axle(s)	Kg	16000
	Front axle 1	Kg	8000
	Front axle 2	Kg	8000
	rear axle 3	Kg	
	rear axle 2	Kg	9500
Min. weight complete vehicle unladen	Front axle(s)	Kg	8186
Chassis cab kerb weight	Rear axles (Liftable axle up)	Kg	
	Front axles (Liftable axle down)	Kg	7059
	Rear axles (Liftable axle down)	Kg	2594
	Front Axle 1	Kg	3530
	Front Axle 2	Kg	3530
	Rear Axle 1	Kg	1297

	Rear Axle 2	Kg	1297
	Rear Axle 3	Kg	
	Front axles (Liftable axle up)	Kg	
Kerb Weight	total	Kg	9653
Total vehicle weight under full load at YMAX	Front axle(s)	Kg	16000
	Rear axle(s)	Kg	16000
Total vehicle weight under full load at YMIN	Rear axle(s)	Kg	19000
	Front axle(s)	Kg	13000

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)

LENGTHS

Wheelbase		mm	5.100
Front Overhang	(H / BEP L016)	mm	1488
Wheelbase	(F / BEP L011)	mm	5100
Technical wheelbase	(F' / BEP L015)	mm	4788
Axle Spacing	Axle 1-2 (BEP L012.1)	mm	1995
	Axle 2-3 (BEP L012.2)	mm	3105
	Axle 3-4 (BEP L012.3)	mm	1370
Rear overhang	Chassis, overall (BEP L017)	mm	1001
Bodywork rear overhang	Min. (Xmin / BEP L017)	mm	1339
	Max. (Xmax / BEP L017)	mm	2624
Rear overhang	from end of technical wheelbase (N')	mm	1534
Cab entry	(B / BEP L102)	mm	615
Body length	Min. (Wmin / BEP L105)	mm	6509
	Max. (Wmax / BEP L105)	mm	7794
Load Centre of Gravity	Total	mm	0
Centre of Gravity of load	Max. (Ymax / BEP L103)	mm	1915
	Min. (Ymin / BEP L104)	mm	1273
Overall Chassis Length	(A / BEP L001)	mm	8959

HEIGHTS

Wheelbase		mm	5.100
Centre of Gravity of vehicle	Unladen at Z (BEP H044)	mm	830
Ground clearance, laden	Rear (U3 / BEP H016)	mm	333
Max. exterior height unladen	(BEP H001)	mm	3334
Max. exterior height, cab tilted, unladen	(O1 / BEP H061)	mm	3901
Cab height (unladen)	(O)	mm	3247
Distance from ground to lowest point at front of vehicle	Unladen (H0 / BEP H18)	mm	
	Laden (H0 / BEP H18)	mm	352
Side member height	(BEP H032)	mm	300
Frame top height at front axle	Laden (H1 / BEP H036)	mm	1020
	Unladen (H1 / BEP H035)	mm	1122
Frame top height at drive axle	Unladen (H2 / BEP H037)	mm	1117
	Laden (H2 / BEP H038)	mm	1054
Frame top height at the rear of the frame	Unladen (HN)	mm	1114
	Laden (HN)	mm	1069

TOWING DEVICE

Wheelbase		mm	5.100
Distance between the front of the vehicle and the centre of the trailer coupling device	(BEP L045 + L016)	mm	

Distance between centre of last axle to centre of coupling device		mm	
Height of towing hook / top of side member	(BEP H045)	mm	

WIDTHS

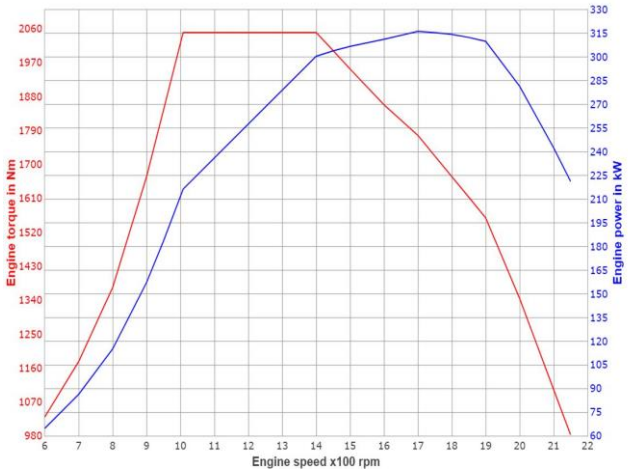
Wheelbase		mm	5.100
Width at rear wheels	Rear axle 1 (V3 / BEP W003.2)	mm	2499
Max. cab width	(BEP W002)	mm	2492
Frame width	Rear (BEP W036)	mm	852
	Front (BEP W035)	mm	1080
	front (BEP W035)	mm	
Max exterior cab width with rear view mirrors open	(BEP W001)	mm	2960
Track	Front (V1 / BEP W013.1)	mm	2028
	Rear 1 (V2 / BEP W013.2)	mm	2028

OTHER

Wheelbase		mm	5.100
Side member thickness	(BEP W034)	mm	13
Chassis Total Weight With Driver And Passengers		Kg	
Turning Radius	kerb to kerb	mm	10306
	Overall (BEP W012)	mm	11000
	interior	mm	6628

11 ENGINE

Max. power output: 323 kW between 1700 and 1900 rpm
Max. torque: 2050 Nm from 1008 rpm to 1400 rpm
Power Output (UK): 430 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
Oil service interval up to 100,000 km
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
R51.03 phase 2 noise emissions standard



ENGINE EQUIPMENT

Fast idling control whilst moving
Power Mode (Eco/Eco Off)
Partial gas recycling (semi-closed circuit)
Without engine Power Take Off.
Electronic speed limiter (90 km/h).

CLUTCH

Single-plate clutch, diameter 430 mm

GEARBOX

Optidriver ATO 2612 gearbox (11.73 - 0.79) with automatic clutch. Aluminium housing.
Max. torque 2550 Nm, 12 forward gears and 3 reverse gears.
Steering wheel-mounted operating mode selection (automatic/manual) via gear shift selector,
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, electronically controlled variable flow pump.
Steering ratio 26.2
Integral hydraulic power assisted steering (2 independent circuits and 2 pumps).
Driving on the left

AXLES

Front suspension and 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
Profile B. M-STEER 001 / M-DRIVE 001
Steel disc wheels
ISO_11992 compatible tyre pressure monitoring system
Steel front wheel trims
Without spare wheel.

REAR AXLES

PMR 2161D twin reduction final drive axle
Integral differential lock
Rear loading capacity (technical max.): 21 t
Rear load equally distributed
Engine speed at 90 km/h: 1372 rpm

Service brake:

Twin-cylinder air compressor 1100 l/min, 760 cm³
Braking system with two independent circuits.
Ventilated disc brakes.
Electronic management of air production by EACU (Electronic Air Control Unit):
Dryer cartridge optimised by preventive maintenance.
Disengageable air compressor
Without rear trailer coupling.
Low-position rear brake cylinders

EBS:

Anti-lock braking system (ABS).
Anti-slip regulation (ASR).
Drag torque control (Torque control during downshifting).
(Disc) brake pad wear compensation
Retarder and service brake linking
Differential engagement management (if equipped) at speeds <10 km/h (4x2)
Hill Start Assist
Braking performance warning
ESC (Electronic Stability Control) trajectory control and anti-rollover system
Coupling traction test
Emergency brake assist (EBA)
Stop lights emergency lighting

Parking brake:

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

CAB

Cab exterior:

Day cab
All steel Cab, electro-zinc plated and cataphoretic paint treatment.
Cab paint colour: White ekla
technical code: 09350
Red badge
Four point mechanical cab suspension.
2 heated, remote control rear view mirrors.
2 wide angle rearview mirrors.
Side view using mirrors only
Kerb view mirror.
Rear view mirrors for bodywork up to 2.55 m wide
Fold-back front view mirror
Air horn
Front wing mudflaps
Black cab access steps
Exterior parts finished in cab colour
External sun visor
Tinted, laminated windscreen.
Tinted rear cab window

Cab interior:

Black grab handles
Cab interior finish - Dark
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
With digital camera.
CB pre-equipment.
DTCO 4.1 digital tachograph
Without tachograph calibration
Manual roof vent
Mosquito net on air vent
Rubber insulating floor mats
COMFORT DRIVER'S SEAT:
Adjustable vertical damping
Seat squab tilt
Length and height-adjustable
Removable cover
Adjustable headrest
Seat quick-drop function with height setting memory
Seat back side support adjustment

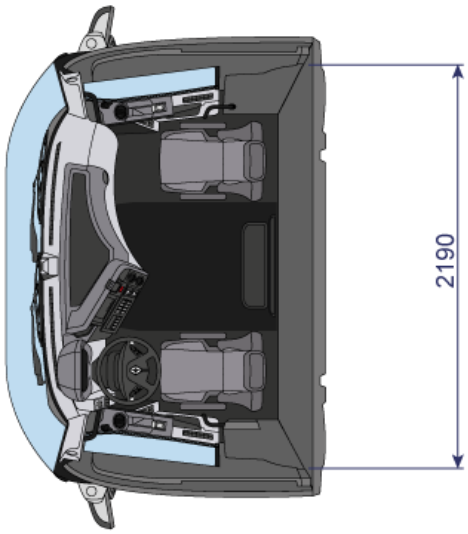
Seat cushion side support adjustment
Adjustable lumbar support
Extendible seat squab cushion
Heating system (driver's seat)
Two driver's armrests
Red seat belts
Seat belt fastened reminder
seat squab tilt
Length-adjustable
Integral headrest
Without air suspension
Cloth fabric trim
Multi-compartment storage on engine tunnel with 24 V socket (Volume: 31 litres on T, C, K; 15 litres on D, D Wide, C 2.3m)
Blower
Removable rear storage compartment, left-hand side
Reading lamps on overhead ledge
Direct cab lighting
Cab lighting time-delay.
Clothes rail
Driver's window with impulse control.
Electronic air conditioning.
Cab air filtration, washable filter
No air-conditioning while parked
Handbook and Service pack in English.
2 loudspeakers and 2 tweeters

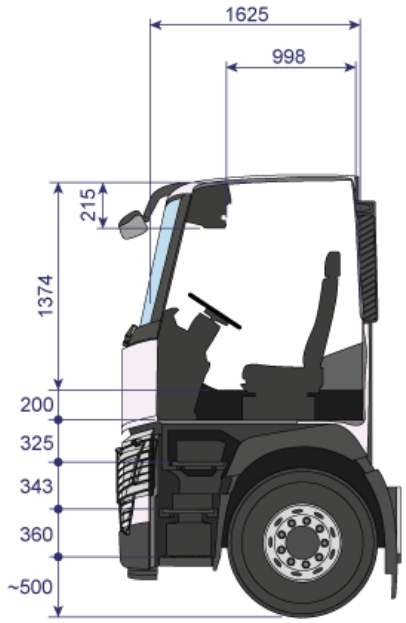
Steering wheel equipment:

"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
3-way adjustable steering column
Multifunction screen with DAB radio

Instrument panel:

COMPACT dashboard
12" HD colour information display
Speedometer in miles
12 V + 24 V socket on dashboard, for accessories.
Starting inhibitor controlled by transponder key.
Start button
3rd ignition key
Customer adjustable overspeed downhill
Cruise control and speed limiter configurable by rotary control
Power Mode (Eco/Eco Off)
Without Eco Mode





ELECTRONIC EQUIPMENT:

Multilingual display
SAE cab socket for vehicle data extraction
FMS Gateway fleet management interface 3.0
Assistance button for geolocation via the 24/7 platform
4G TGW3 telematics unit (telematic gateway) including an antenna and enabling subscription to Optifleet services (Map, Check, Drive)
TELENOR SIM card
Driver Alert System (DAS) and Lane Departure Warning System (LDWS)
Side radar for covering both sides of the truck

Forward Collision Warning System with Advanced Emergency Braking System (AEBS)

ELECTRICAL EQUIPMENT

Batteries mounted side by side on LH side.
Battery capacity: 225 Ah
Maintenance-free batteries
Battery cut-out remote control
Electrical circuit automatically goes to standby
No protection on rear lights
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
Standard cantilever section
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
Wings fitted in standard position.
Side exhaust.

BUMPER - STEPS AND LIGHTING

Steel bumpers
Retractable windscreen access steps in radiator grille and under bumper
Access to driving position by 3 steps. 1st step flexible and of composite material
Step lighting.
Access to driving position by 3 steps
Step lighting.
BUMPER CORNERS AND CENTER PAINTED IN BLACK
Automatic windscreen wiping with rain sensor and automatic illumination of lights
Running lights
Provision for lighting rail on front end
Halogen headlights
Roof beacon pre-equipment

SUSPENSION

Front suspension

2-leaf front leaf springs
Front anti-roll bar.

Rear suspension:

3-leaf parabolic rear springs
Rear stabiliser bar.
Rear shock absorbers

FUEL TANK

Main steel tank.
Main fuel tank: 255 litres capacity D560 profile mounted on right
Heavy duty sedimenter and prefilter (R90).Bleed control on dashboard.

AdBlue

32-litre AdBlue tank.
Left side between axles 1 & 2

STANDARD EQUIPMENT

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

BODYWORK

Space available behind the front axle.
Side members with bodywork bracket fastening holes
Bodybuilder access through bulkhead
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

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.