

Model code : UKM_40J80868HD00
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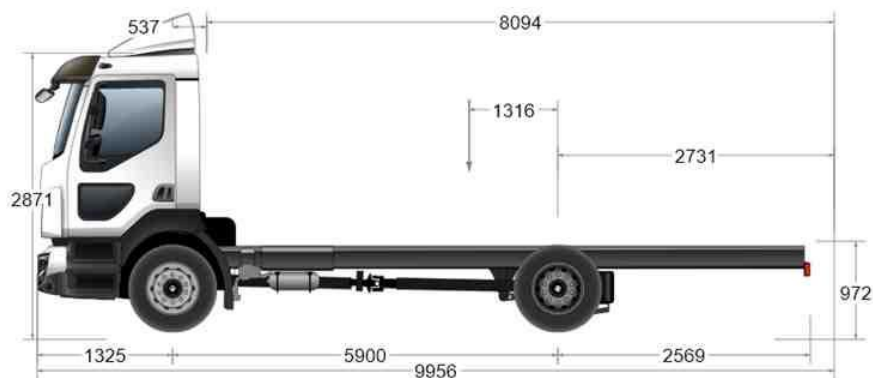
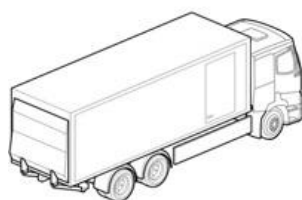
Prepared for :

RENAULT TRUCKS D 18 HIGH 4X2 R 250 E6 - GVW 18T / GCW 18 T

RENAULT TRUCKS

D 18

Body Type:
VAN + TAILGATE



WEIGHTS

| Wheelbase | | mm | 5.900 |
|--|---------------|----|----------|
| Payload | (C) | Kg | 12408 |
| Maximum Weight (registered) | Total (GVW) | Kg | 18000 |
| | Front axle 1 | Kg | 7100.00 |
| | rear axle 1 | Kg | 11500 |
| Min. weight complete vehicle unladen | Front axle(s) | Kg | 4781.00 |
| Kerb Weight | total | Kg | 5592 |
| Chassis cab kerb weight | Front Axle 1 | Kg | 3732.00 |
| | Rear Axle 1 | Kg | 1860.00 |
| Total vehicle weight under full load at YMAX | Front axle(s) | Kg | 7100.00 |
| | Rear axle(s) | Kg | 10900.00 |
| Total vehicle weight under full load at YMIN | Front axle(s) | Kg | 6500.00 |
| | Rear axle(s) | Kg | 11500.00 |

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 front axle load(s) must be respected: 2500 kg

LENGTHS

| Wheelbase | | mm | 5.900 |
|------------------------------|-----------------------------|----|---------|
| Front Overhang | (H / BEP L016) | mm | 1325 |
| Wheelbase | (F / BEP L011) | mm | 5900 |
| Rear overhang | Chassis, overall (BEP L017) | mm | 2569 |
| Bodywork rear overhang | Min. (Xmin / BEP L017) | mm | 2160 |
| | Max. (Xmax / BEP L017) | mm | 2731 |
| Cab entry | (B / BEP L102) | mm | 537 |
| Body length | Min. (Wmin / BEP L105) | mm | 7523 |
| | Max. (Wmax / BEP L105) | mm | 8094 |
| Load Centre of Gravity | Total | mm | 0 |
| Centre of Gravity of load | Max. (Ymax / BEP L103) | mm | 1601 |
| | Min. (Ymin / BEP L104) | mm | 1316 |
| Centre of Gravity of vehicle | at X (BEP L044) | mm | 1989.00 |
| Overall Chassis Length | (A / BEP L001) | mm | 9794 |

HEIGHTS

| Wheelbase | | mm | 5.900 |
|--|-------------------------|----|---------|
| Ground clearance, laden | Rear (U3 / BEP H016) | mm | 251 |
| | Front (U1 / BEP H015) | mm | 292 |
| Max. exterior height unladen | (BEP H001) | mm | 3480 |
| Max. exterior height, cab tilted, unladen | (O1 / BEP H061) | mm | 3322.00 |
| Cab height (unladen) | (O) | mm | 2871 |
| Distance from ground to lowest point at front of vehicle | Unladen (H0 / BEP H18) | mm | 367.00 |
| | Laden (H0 / BEP H18) | mm | 263.00 |
| Frame top height at front axle | Unladen (H1 / BEP H035) | mm | 1000.00 |
| | Laden (H1 / BEP H036) | mm | 910.00 |
| Frame top height at drive axle | Unladen (H2 / BEP H037) | mm | 972 |
| | Laden (H2 / BEP H038) | mm | 948 |
| Frame top height at the rear of the frame | Unladen (HN) | mm | 960.00 |
| | Laden (HN) | mm | 965.00 |
| Centre of Gravity of vehicle | Unladen at Z (BEP H044) | mm | 804.00 |
| Side member height | (BEP H032) | mm | 260.00 |

TOWING DEVICE

| Wheelbase | | mm | 5.900 |
|---|-------------------|----|-------|
| 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

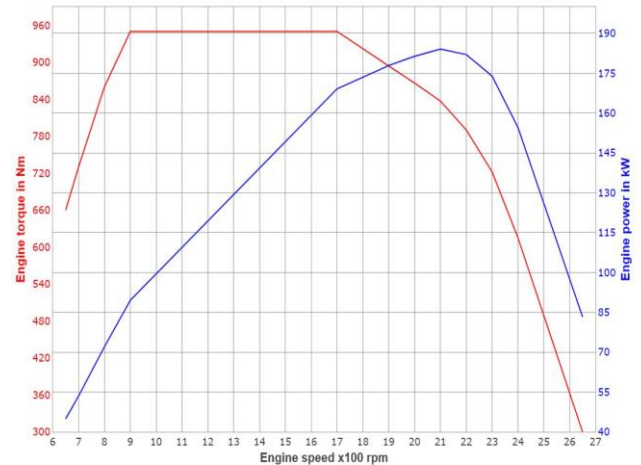
| Wheelbase | | mm | 5.900 |
|--|-------------------------------|----|---------|
| Max exterior cab width with rear view mirrors open | (BEP W001) | mm | 2998.00 |
| Max. cab width | (BEP W002) | mm | 2400 |
| Frame width | Front (BEP W035) | mm | 866 |
| | Rear (BEP W036) | mm | 866 |
| Width at rear wheels | Rear axle 1 (V3 / BEP W003.2) | mm | 2471 |
| Track | Rear 1 (V2 / BEP W013.2) | mm | 1833 |
| | Front (V1 / BEP W013.1) | mm | 1996 |

OTHER

| Wheelbase | | mm | 5.900 |
|-----------------------|--------------------|----|----------|
| Approach angle | (BEP H010) | ° | 14 |
| Ramp angle | (BEP H012) | ° | 15.20 |
| Departure angle | (BEP H011) | ° | 16.60 |
| Side member thickness | (BEP W034) | mm | 8.00 |
| Turning Radius | Overall (BEP W012) | mm | 10900.00 |
| | kerb to kerb | mm | 10299.00 |
| | interior | mm | 5787.00 |

DTI 8 ENGINE

Antifreeze protection: -25°C.
Max. power: 184 kW at 2100 rpm
Max. torque: 950 Nm from 900 rpm to 1700 rpm
 Power output (UK): 247 hp
 6-cylinder in-line diesel engine - 4 valves per cylinder - Rear-mounted timing
 COMMON RAIL high-pressure direct fuel-injection 2000 bar
 Bore 110 mm - stroke 135 mm - Capacity 7.7 litres
 Variable geometry turbocharger
 Exhaust gas recirculation
 Direction of rotation (seen from G/B end): anti-clockwise
 Oil capacity: 27 L including filtration
 Standard engine oil change interval
 Sheet metal oil sump
 Cooling circuit capacity: 17 litres
 EEC EURO VI pollution control level
 Compact post-treatment system (7th injector, catalytic converter, DPF, SCR)
 Cooling liquid
 Noise standard R51.03



ENGINE EQUIPMENT

Partial gas recycling (semi-closed circuit)
 Without engine Power Take Off.
 Electronic speed limiter (90 km/h).

Hydraulic steering box with variable step-down power assistance.
 Driving on the left

CLUTCH

Without Clutch

FRONT AXLE

Load capacity (technical max.) Front axle: 7.1 t.

GEARBOX

Optishift 8AP1200 gearbox
 Gearshifting strategy optimised for FUEL ECO
 Automatic gearbox cooler

WHEELS AND TYRES

Dimension 295/80 R22.5
 Profile G. KMAX-2 S/D
 Steel disc wheels
 ISO_11992 compatible tyre pressure monitoring system
 Front wheel trims
 Without spare wheel.

RETARDER

Exhaust-mounted retarder (120 kW at 2800 rpm)

REAR DRIVE AXLE

P11150 drive axle with single reduction
 Without differential lock.
 Load capacity: Rear axle: 11.5 t
Drive axle ratio: 5.14
 Engine speed at 90 km/h: 1550 rpm

POWER TAKE-OFF

Without gearbox mounted PTO

Service brake:

Braking system with two independent circuits
 All-disc brakes

STEERING



Single cylinder air compressor 500 l/min, 360 cm³
Electronic management of air production by APM (Air Product Management)
Dryer cartridge optimised by preventive maintenance
Without rear trailer coupling.

EBS:

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

Parking brake:

Air operated spring brake actuators on rear wheels

CAB**Cab exterior:**

Day cab
All steel Cab, electro-zinc plated and cathophoretic paint treatment.
Cab paint colour: White ekla
technical code: 09350
Adaptation: rubber floor mat
Red badge
Anti-spray deflectors
Cab suspension with rubber pads on the front and mechanical on the rear
Hydraulic cab tilt.
2 heated, remote control rear view mirrors.
2 wide angle rearview mirrors.
Kerb view mirror.
Rear view mirrors for bodywork from 2500 to 2600 mm wide
Fold-back front view mirror
Air intake behind cab.
Air filter clogging indicator
Spray suppression on front wings
Adjustable roof deflector
External sun visor
Tinted, laminated windscreen.
Without rear window.
Passenger side vision door with lower tinted window

Cab interior:

Upper storage shelf, 2 storage boxes (50 l) closed by doors
Driver lateral sun-visor
Three sun blinds on windscreen
With digital camera.
DTCO 4.1 digital tachograph
No roof air vent
Air-suspended driver's seat with fitted seat belt.
Driver's armrest
Red seat belts

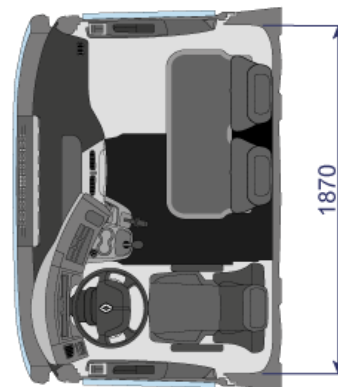
Seat belt fastened reminder
Passenger bench seat with armrest and compartment strut, with key lock
Blower socket on central console
Cab lighting time-delay.
2 Coat hooks on rear panel
Electrically operated door windows
Air conditioning
Handbook and Service pack in English.
2 kg fire extinguisher in cab, accessible from inside and outside the cab

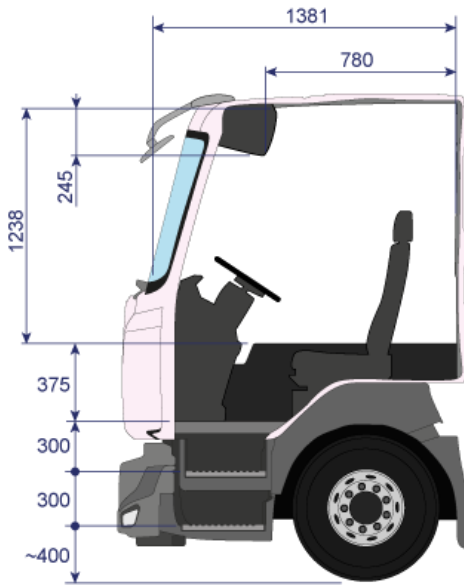
Steering wheel equipment:

4-spoke steering wheel
Analog and digital DAB/DAB+ radio
Bluetooth 4.0 for audio playback streaming with hands-free function and steering wheel-mounted controls
USB port underneath radio

Instrument panel:

Central tablet support with 2 USB-C ports
Speedometer in miles
12V + 24V socket on dashboard, for accessories (24 volt wiring available in the header rail).
Starting inhibitor controlled by transponder key.
Folding key.
Remote control central door locking.
3rd ignition key
Speed limiter adjustable via steering wheel control (ASL)
With Kick-Down. Passing a hard point at the end of the accelerator pedal stroke causes the gears to shift down automatically
Power mode





Closing cross member
Side exhaust.

BUMPER - STEPS AND LIGHTING

3-part plastic bumper
LED position lights
Access to driving position by 2 stepwell steps.
Step lighting.
Lighting adjustment
LED day running lights
Front fog lights.

SUSPENSION

Front suspension

Front parabolic leaf springs.

Rear suspension:

Rear air suspension.
Suspension remote control (2 channels).
Telescopic shock absorbers.

ELECTRONIC EQUIPMENT:

English and French language display
Additional language (German)
SAE cab socket for vehicle data extraction
FMS Gateway fleet management interface
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)
Left and right side lane departure warning sensors
Forward Collision Warning System with Advanced Emergency Braking System (AEBS) and Adaptive Cruise Control (ACC)

ELECTRICAL EQUIPMENT

Battery capacity: 170 Ah
Batteries with level check
Battery isolation switch
Alternator : 130 amp capacity.
LED rear signalling and lighting (EEC standard e2 10113)

CHASSIS

Chassis protective paintwork, mineral grey colour
technical code: 03650
Standard rear overhang, pre-drilled for bodybuilder
Removable front towing cap
Front under-run protection.
Without rear under-run bar .

GEARBOX RATIOS

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|

FUEL TANK

Plastic tank
Main fuel tank: 215 litres capacity mounted on right

AdBlue

32-litre AdBlue tank inside the chassis.

STANDARD EQUIPMENT

Reversing warning buzzer, including night switch.
Windscreen washer bottle capacity: 12L

BODYWORK

Body mounting brackets front and rear
Bodybuilder access through bulkhead
Bodybuilder BBM electronic box interface bodybuilder expert functions via CAN bus).
Bodybuilder suspensions control:
Inhibition of suspension height regulation, platform kneeling, height regulation

SERVICE

Optifleet:

Optifleet Check: technical data reports for fuel consumption monitoring by vehicle and by driver, 2-year prepaid subscription

PERSONALISED SPECIFICATION SHEET

Date of update
21 December 2023

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| 4.89 | 3.12 | 2.03 | 1.64 | 1.25 | 1.00 | 0.84 | 0.64 |
|------|------|------|------|------|------|------|------|

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, Wedgnoek Lane , Warwick , CV34 5YA Telephone +44 (0)1926 475333.

