Model code : UKM_40J80868HD00
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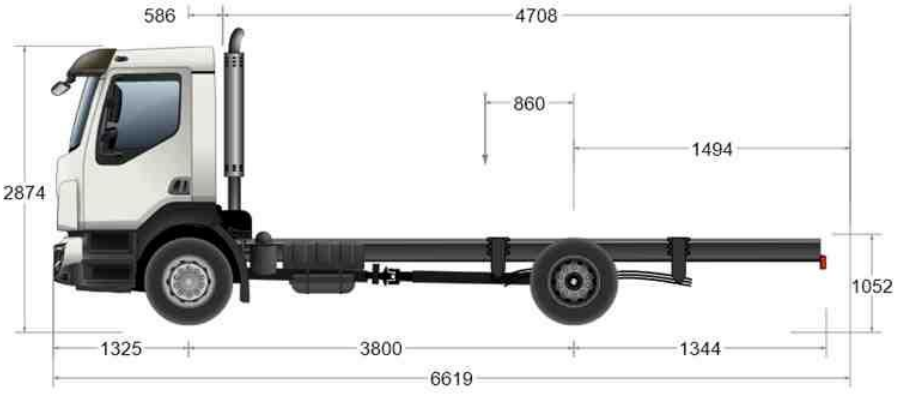
Prepared for :

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

D 18

Body Type:
HOOK LOADER







WEIGHTS

Wheelbase		mm	3.800
Payload	(C)	Kg	12646
Maximum Weight (registered)	Total (GVW)	Kg	18000
	Front axle 1	Kg	7100
	rear axle 1	Kg	11500
Min. weight complete vehicle unladen	Front axle(s)	Kg	4781
Kerb Weight	total	Kg	5354
Chassis cab kerb weight	Front Axle 1	Kg	3638
	Rear Axle 1	Kg	1716
Total vehicle weight under full load at YMAX	Front axle(s)	Kg	7100
	Rear axle(s)	Kg	10900
Total vehicle weight under full load at YMIN	Front axle(s)	Kg	6500
	Rear axle(s)	Kg	11500

This table includes the weights of the RENAULT TRUCKS options: full AdBlue 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	3.800
Front Overhang	(H / BEP L016)	mm	1325
Wheelbase	(F / BEP L011)	mm	3800
Rear overhang	Chassis, overall (BEP L017)	mm	1344
Bodywork rear overhang	Min. (Xmin / BEP L017)	mm	1133
	Max. (Xmax / BEP L017)	mm	1494
Cab entry	(B / BEP L102)	mm	586
Body length	Min. (Wmin / BEP L105)	mm	4347
	Max. (Wmax / BEP L105)	mm	4708
Load Centre of Gravity	Total	mm	0
Centre of Gravity of load	Max. (Ymax / BEP L103)	mm	1040
	Min. (Ymin / BEP L104)	mm	860
Centre of Gravity of vehicle	at X (BEP L044)	mm	1235
Overall Chassis Length	(A / BEP L001)	mm	6469

HEIGHTS

Wheelbase		mm	3.800
Ground clearance, laden	Rear (U3 / BEP H016)	mm	251
	Front (U1 / BEP H015)	mm	292
Max. exterior height unladen	(BEP H001)	mm	3106
Max. exterior height, cab tilted, unladen	(O1 / BEP H061)	mm	3325
Cab height (unladen)	(O)	mm	2874
Distance from ground to lowest point at front of vehicle	Unladen (H0 / BEP H18)	mm	373
	Laden (H0 / BEP H18)	mm	281
Frame top height at front axle	Unladen (H1 / BEP H035)	mm	1002
	Laden (H1 / BEP H036)	mm	908
Frame top height at drive axle	Unladen (H2 / BEP H037)	mm	1052
	Laden (H2 / BEP H038)	mm	956
Frame top height at the rear of the frame	Unladen (HN)	mm	1070
	Laden (HN)	mm	973
Centre of Gravity of vehicle	Unladen at Z (BEP H044)	mm	806
Side member height	(BEP H032)	mm	258

TOWING DEVICE

Wheelbase		mm	3.800
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

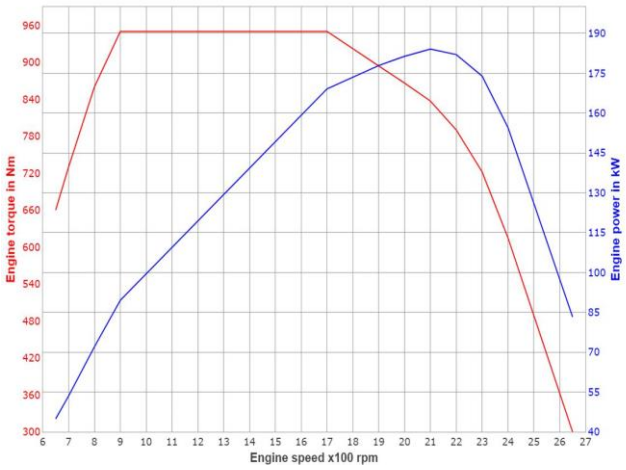
Wheelbase		mm	3.800
Max exterior cab width with rear view mirrors open	(BEP W001)	mm	2985
Max. cab width	(BEP W002)	mm	2400
Frame width	Front (BEP W035)	mm	864
	Rear (BEP W036)	mm	864
Width at rear wheels	Rear axle 1 (V3 / BEP W003.2)	mm	2471
Track	Rear 1 (V2 / BEP W013.2)	mm	1833
	Front (V1 / BEP W013.1)	mm	1996

OTHER

Wheelbase		mm	3.800
Approach angle	(BEP H010)	°	15
Ramp angle	(BEP H012)	°	24.3
Departure angle	(BEP H011)	°	32.9
Side member thickness	(BEP W034)	mm	7
Turning Radius	Overall (BEP W012)	mm	7600
	kerb to kerb	mm	6999
	interior	mm	3239

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).

CLUTCH

Without Clutch

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) - Auto activation.
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) and Adaptive Cruise Control (ACC)

GEARBOX

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

RETARDER

Exhaust-mounted retarder (120 kW at 2800 rpm)

POWER TAKE-OFF

PTO situated on the Optishift on the right side of the gearbox (15 hrs)
Plate outlet DIN90
Rotation direction: engine
Torque 350 Nm
Ratio 1.2

STEERING

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

FRONT AXLE

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

BRAKING

Service brake:
Braking system with two independent circuits
All-disc brakes
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-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)

Parking brake:
Air operated spring brake actuators on rear wheels

SAFETY

WHEELS AND TYRES

Dimension 295/80 R22.5
TYRE: PROFILE
B. DURAVIS R-STEER 02 / R-DRIVE 02 profile
Steel disc wheels
ISO_11992 compatible tyre pressure monitoring system
Front wheel trims
Without spare wheel.

REAR DRIVE AXLE

P11150 drive axle with single reduction
Integral differential lock
Load capacity: Rear axle: 11.5 t
Drive axle ratio: 5.14
Engine speed at 90 km/h: 1550 rpm

CAB

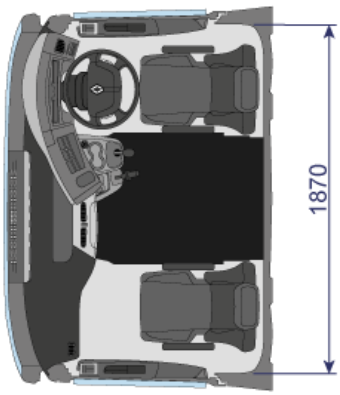
Cab exterior:
Day cab
All steel Cab, electro-zinc plated and cataphoretic paint treatment.
Cab paint colour: White ekla
technical code: 09350
Red badge
Anti-spray deflectors
Cab suspension with rubber pads on the front and mechanical on the rear
Hydraulic cab tilt.
2 heated, remote control rear view mirrors.
2 wide angle rearview mirrors.
Kerb view mirror.
Rear-view mirrors for 2501 to 2600 mm body and radar position for overall chassis width from 2501 to 2550 mm
Fold-back front view mirror
Air intake behind cab.
Air filter clogging indicator
Spray suppression on front wings
Exterior parts finished in black
External sun visor
Tinted, laminated windscreen.
Tinted rear cab window
Passenger side vision door with lower tinted window

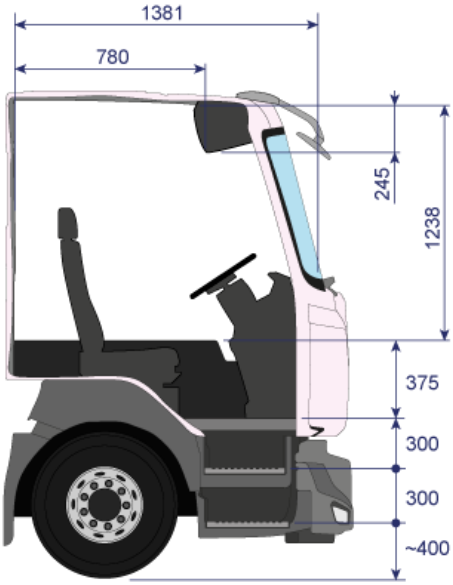
Cab interior:
Upper storage shelf, 2 storage boxes (50 l) closed by doors
Driver lateral sun-visor
Three sun blinds on windscreen
With digital camera.
DTCO 4.1 digital tachograph
No roof air vent
Air-suspended COMFORT driver's seat, with lumbar support, heated seat base and seatback, seat depth adjustment and seat-mounted seat belt
Driver's armrest
Red seat belts
Safety belt warning.
Adjustable passenger seat
Multi-compartment storage on engine tunnel with 24V socket. Capacity: 15 litres
Blower socket on central console
Air blower inside the cab
Cab lighting time-delay.
2 Coat hooks on rear panel
Electrically operated door windows
Cab temperature preconditioning configurable from the information display when the vehicle is connected to the electricity mains
Air conditioning
Handbook and Service pack in English.

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 socket on dashboard, for accessories.
Starting inhibitor controlled by transponder key.
Remote control central door locking.
Speed limiter adjustable via steering wheel control (ASL)

Intelligent speed assistance. Intelligent Speed Assist: speed limit sign recognition, in-cab display and overtaking warning. With Kick-Down. Passing a hard point at the end of the accelerator pedal stroke causes the gears to shift down automatically
Power mode





ELECTRICAL EQUIPMENT

Battery capacity: 185 Ah
Batteries with level check
Battery isolation switch
Alternator : 130 amp capacity.
Alternator : 180 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 .
Closing cross member
Vertical exhaust outlet with heat shield

BUMPER - STEPS AND LIGHTING

Plastic bumper with steel corner pieces
Windscreen access step
Access to driving position by 2 stepwell steps.
Step lighting.
Lighting adjustment
LED day running lights
Roof beacon pre-equipment

SUSPENSION

Front suspension

Front parabolic leaf springs.
Stabiliser bar

Rear suspension:

Reinforced rear asymmetrical leaf springs.
Telescopic shock absorbers.
Stabiliser bar

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).

SERVICE

Uptime

GEARBOX RATIOS

1	2	3	4	5	6	7	8
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, Wedgnock Lane , Warwick , CV34 5YA Telephone +44 (0)1926 475333.